



Bill Richardson



Spencer Abraham

Daniel Reicher

Abraham Haspel
(Acting)

David Garman



Admiral Richard Truly

Optics" Software
Trapping
for Solar Cells

ical Production
Biologically
d Succinic Acid
Oak Ridge National
Laboratory/Argonne
National Laboratory/
Northwest National
Laboratory/Applied
chemicals)

• UNI-SOLAR Triple-
Junction Amorphous-
Silicon Solar-Electric
Modules (with United Solar)

• "Vermont" High-
Throughput Gasifier
(with Battelle Burlington
Electric Dept./Future
Energy Resources Corp.)

• Advanced Direct-
Contact Condensers
(with Alstom
Energy Systems)

• Siemens Solar
ST Family of Solar
(CIS) Modules
(with Siemens Solar/
California Energy
Commission)

• North Wind
100/20 Wind Turbine
(with Northern Power
Systems, Inc./NASA Ames
Research Center/National
Science Foundation)

• Real-Time
Biomass Analysis
• Electroexploded Metal
Nanopowders (with
Argonide Corp./Republican
Engineering Technical
Center/Los Alamos
National Laboratory/
Initiative for Proliferation
Prevention)

• DRWi™ Electronically
Scanning Antenna
(with Paratek Microwave, Inc./St. Petersburg
State Electrotechnical University)

• Triple-Junction Terrestrial
Concentrator Solar Cell
(with Spectrolab)
• Current Interrupt Changing
Algorithm for Lead-Acid Batteries
(with Recombination Technologies/
Optima Batteries)

NREL Visitors Center
renamed to
Dan Schaefer Federal
Building to recognize
Rep. Dan Schaefer

Energy Secretary
Bill Richardson
creates National
Bioenergy Center
at NREL

NREL receives
DOE/OPT Awards
2 Outstanding
Young Investigators and
2 Outstanding Partnerships



Solar Radiation
Research Lab (SRRL)

NREL-NETL
Natural Gas/
Renewable Energy
Hybrids Workshops

25 Years of
Research
Excellence
1977-2002



National Renewable Energy Laboratory

1998

1999

2000

2001

2002